

Amendments to the Claims:

1. (Currently amended) A heat engine having a region within which a working fluid travels and an output system including a chamber having a liquid inlet connectable to a first conduit and a liquid outlet connectable to a second conduit, whereby, in use, the chamber, the first conduit and the second conduit define a circuit for a liquid and the heat engine produces power which is used to sequentially draw liquid into the inlet to the chamber and to then pump the liquid out of the outlet cause the liquid to flow through the circuit and to perform work on a member external to the heat engine as the fluid flows through the circuit.

2. (Original) The heat engine as claimed in claim 1 wherein the chamber is open to the region within which a working fluid travels whereby the working fluid directly contacts the liquid to pump the liquid.

3. (Original) The heat engine as claimed in claim 1 wherein the liquid is silicone oil.

4. (Original) The heat engine as claimed in claim 1 wherein the flow of liquid into and out from the reservoir is tangential.

5. (Original) The heat engine as claimed in claim 1 wherein the chamber is a liquid reservoir and the flow of liquid into the reservoir is tangential and the flow of liquid out from the reservoir is axial.

6. (Original) The heat engine as claimed in claim 1 wherein the chamber is a liquid reservoir and the flow of liquid into the reservoir is axial and the flow of liquid out from the reservoir is tangential.

7. (Original) The heat engine as claimed in claim 1 wherein the chamber is a liquid reservoir, the liquid travels in a circuit and the working fluid and the liquid are each pressurized to a pressure above atmospheric pressure.

8. Cancelled

9. (Currently amended) The heat engine as claimed in claim 1 wherein the ~~liquid travels through a circuit that~~ includes an accumulator positioned upstream and downstream from a fluid driven motor.

10. (Original) The heat engine as claimed in claim 9 wherein the fluid driven motor has a rotary output.

11. (Currently amended) The heat engine as claimed in claim 10 wherein the accumulators and the fluid driven motor ~~are integrated into a single housing to thereby~~ provide a rotary output system which employs fluid seals and does not require gas seals.

12. (Currently amended) The heat engine as claimed in claim 1 wherein the sealed region has a heating chamber and a cooling chamber and the ~~liquid travels through a circuit that~~ includes a heat exchange portion exterior to the cooling chamber whereby the liquid is employed to remove heat from the cooling chamber.

13. (Currently amended) The heat engine as claimed in claim 12 wherein the ~~circuit that~~ includes an accumulator positioned upstream and downstream from a fluid driven motor and the heat exchange portion is part of a single flow line.

14. (Currently amended) The heat engine as claimed in claim 1 wherein the ~~liquid travels through a circuit that~~ includes an accumulator positioned upstream and downstream from a fluid driven motor and a radiator is provided in the circuit to remove excess heat from the engine.

15. (Original) The heat engine as claimed in claim 14 wherein the radiator is positioned downstream of the reservoir

16. (cancelled)

17. (cancelled)

18. (Currently amended) An hydraulic pump in fluid flow communication with a heat engine to be the hydraulic pump being driven by a periodic pulse produced by the heat engine wherein the periodic pulses cause a the fluid to travel travels through a path that includes a reservoir and the hydraulic pump and the flow of fluid into the reservoir is axial and the flow of fluid out from the reservoir is tangential.

19. (Currently amended) An hydraulic pump in fluid flow communication with a heat engine to be the hydraulic pump being driven by a periodic pulse produced by the heat engine wherein the periodic pulses cause a the fluid to travel travels through a path that includes a reservoir and the hydraulic pump and the flow of fluid into and out from the reservoir is tangential.

20. (Currently amended) An hydraulic pump in fluid flow communication with a heat engine to be the hydraulic pump being driven by a periodic pulse produced by the heat engine wherein the periodic pulses cause a the fluid to travel travels through a path that includes a reservoir and the hydraulic pump and the flow of hydraulic fluid into the reservoir is tangential and the flow of hydraulic fluid out from the reservoir is axial.

21. (New) The heat engine as claimed in claim 1 wherein the circuit comprises a fluid driven motor.